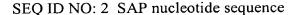
Sequence Listing

SEO ID NO: 1: SAP amino acid sequence AGKTFPDVPADHWGID SINYLVEKGAVKGND KGMFEPGKELTRAEA ATMMAQILNLPIDKD AKPSFADSQGQWYTP FIAAVEKAGVIKGTG NGFEPNGKIDRVSMA SLLVEAYKLDTKVNG TPATKFKDLETLNWG KEKANILVELGISVG TGDQWEPKKTVTKAE AAQFIAKTDKQFGTE AAKVESAKAVTTQKV EVKFSKAVEKLTKED IKVTNKANNDKVLVK EVTLSEDKRSATVEL YSNLAAKQTYTVDVN KVGKTEVAVGSLEAK TIEMADQTVVADEPT ALQFTVKDENGTEVV SPEGIEFVTPAAEKI NAKGEITLAKGTSTT V K A V Y K K D G K V V A E S KEVKVSAEGAAVASI SNWTVAEQNKADFTS KDFKQNNKVYEGDNA

YVQVELKDQFNAVTT

GKVEYESLNTEVAVV DKATGKVTVLSAGKA PVKVTVKDSKGKALV SHTVEIEAFAQKAMK DIKLEKTNVALSTKD VTDLKVKAPVLDQYG KEFTAPVTVKVLDKD GKELKEQKLEAKYVN RELVLNAAGQEAGNY TVVLTAKSGEKEAKA TLALELKAPGAFSKF EVRGLDTELDKYVTE ENQKNAMTVSVLPVD ANGLVLKGAEAAELK VTTTNKEGKEVDATD AQVTVQNNSVITVGQ GAKAGETYKVTVVLD GKLITTHSFKVVDTA PTAKGLAVEFTSTSL KEVAPNADLKAALLN ILSVDGVPATTAKAT ASNVEFVSADTNVVA ENGTVGAKGATSIYV KNLTVVKDGKEQKVE F D K A V Q V A V S I K E A K

PATK



AAAACATTCCCAGACGTTCCTGCTGATCACTG GGGAATTGATTCCATTAACTACTTAGTAGAAAAAGGCGCAGTTAAAGGTA ACGACAAAGGAATGTTCGAGCCTGGAAAAGAATTAACTCGTGCAGAAGCA GCTACAATGATGGCTCAAATCTTAAACTTACCAATCGATAAAGATGCTAA ACCATCTTTCGCTGACTCTCAAGGCCAATGGTACACTCCATTCATCGCAG CTGTAGAAAAAGCTGGCGTTATTAAAGGTACAGGAAACGGCTTTGAGCCA AACGGAAAAATCGACCGCGTTTCTATGGCATCTCTTCTTGTAGAAGCTTA CAAATTAGATACTAAAGTAAACGGTACTCCAGCAACTAAATTCAAAGATT TAGAAACATTAAACTGGGGTAAAGAAAAAGCTAACATCTTAGTTGAATTA GGAATCTCTGTTGGTACTGGTGATCAATGGGAGCCTAAGAAAACTGTAAC TAAAGCAGAAGCTGCTCAATTCATTGCTAAGACTGACAAGCAGTTCGGTA CAGAAGCAGCAAAAGTTGAATCTGCAAAAGCTGTTACAACTCAAAAAGTA GAAGTTAAATTCAGCAAAGCTGTTGAAAAATTAACTAAAGAAGATATCAA AGTAACTAACAAGCTAACAACGATAAAGTACTAGTTAAAGAGGTAACTT TATCAGAAGATAAAAGATCTGCTACAGTTGAATTATATAGTAACTTAGCA GCTAAACAAACTTACACTGTAGATGTAAACAAAGTTGGTAAAACAGAAGT AGCTGTAGGTTCTTTAGAAGCAAAACAATCGAAATGGCTGACCAAACAG TTGTAGCTGATGAGCCAACAGCATTACAATTCACAGTTAAAGATGAAAAC GGTACTGAAGTTGTTTCACCAGAGGGTATTGAATTTGTAACGCCAGCTGC AGAAAAATTAATGCAAAAGGTGAAATCACTTTAGCAAAAGGTACTTCAA CTACTGTAAAAGCTGTTTATAAAAaAGACGGTAAAGTAGTAGCTGAAAGT AAAGAAGTAAAAGTTTCTGCTGAAGGTGCTGCAGTAGCTTCAATCTCTAA CTGGACAGTTGCAGAACAAAATAAAGCTGACTTTACTTCTAAAGATTTCA AACAAAACAATAAAGTTTACGAAGGCGACAACGCTTACGTTCAAGTAGAA TTGAAAGATCAATTTAACGCAGTAACAACTGGAAAAGTTGAATATGAGTC GTTAAACACAGAAGTTGCTGTAGTAGATAAAGCTACTGGTAAAGTAACTG TATTATCTGCAGGAAAAGCACCAGTAAAAGTAACTGTAAAAGATTCAAAA GGTAAAGCACTTGTTTCACACACAGTTGAAATTGAAGCTTTCGCTCAAAA AGCAATGAAAGACATTAAATTAGAAAAAACTAACGTAGCGCTTTCTACAA AAGATGTAACAGATTTAAAAGTAAAAGCTCCAGTACTAGATCAATACGGT AAAGAGTTTACAGCTCCTGTAACAGTGAAAGTACTTGATAAAGATGGTAA AGAATTAAAAGAACAAAAATTAGAAGCTAAATATGTGAACAGAGAATTAG TTCTGAATGCAGCAGGTCAAGAAGCTGGTAATTATACAGTTGTATTAACT GCAAAATCTGGTGAAAAAGAAGCAAAAGCTACATTAGCTCTAGAATTAAA AGCTCCAGGTGCATTCTCTAAATTTGAAGTTCGTGGTTTAGACACAGAAT TAGATAAATATGTTACTGAGGAAAACCAAAAGAATGCAATGACTGTTTCA GTTCTTCCTGTAGATGCAAATGGATTAGTATTAAAAGGTGCAGAAGCAGC TGAACTAAAAGTAACAACAACAAACAAAGAAGGTAAAGAAGTAGACGCAA CTGATGCACAAGTTACTGTACAAAATAACAGTGTAATTACTGTTGGTCAA GGTGCAAAAGCTGGTGAGACTTATAAAGTAACAGTTGTACTAGATGGTAA ATTAATCACAACTCATTCATTCAAAGTTGTTGATACAGCACCAACTGCTA AAGGATTAGCAGTAGAATTTACAAGCACATCTCTTAAAGAAGTAGCTCCA ACCTGCGACTACAGCAAAAGCAACAGCTTCTAATGTAGAATTTGTTTCTG CTGACACAAATGTTGTAGCTGAAAATGGTACAGTTGGTGCAAAAGGTGCA ACATCTATCTATGTGAAAAACCTGACAGTTGTAAAAGATGGAAAAGAGCA AAAAGTAGAATTTGATAAAGCTGTACAAGTTGCAGTTTCTATTAAAGAAG